BRUHAT BENGALURU MAHANAGARA PALIKE

Name of Work:-Improvements and Asphalting to Selected Cross Roads and Main Roads in Ward No.16 Jalahalli

26

Job no:-016-21-000006

Sl No	Description of Items	Unit	No	L (M)	B (M)	D (M)	Est .Cost Rs. Qty	180.00 Rate	Lakhs Amount
1	KSRRB 300-46. **Scarifying Bituminous course 50mm to 75mm** thick along with premix carpet/ surface dressing by mechanical means attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM complete as per specifications. MORTH / Chapter 3(pg no-146,S.Lno-19.56KPWD S.R 2018-19)								
	Existing Road	Sqm							
	Behind Police Quarters (From #A-96)		1	450.00	5.50		2475.00		
	Guest House Road		1	57.00	6.00		342.00		
	Sri Bhagyalakshmi Welding Work Shop Opp Road		1	346.00	5.80		2006.80		
	Opp to Suraksha Stores		1	158.50	6.00		951.00		
	From KLM Precision Engineers Till Suraksha Store		1	104.40	4.50		469.80		
	From Suraksha Store to Road End		1	72.50	5.00		362.50		
	Gopi Clnic (Opp To Quarters Road)		1	263.50	4.20		1106.70		
	Quartres Road		1	163.00	5.50		896.50		
							8610.30	**41.34**	**355949.80**
	Basic Rate	39.00							
	Area Weightage @ 6%	2.34							
		41.34							
2	KSRRB M300-14. **Excavation for roadwork** in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. MORTH Specification No.301(pg no-143,S.Lno-19.14)KPWD S.R 2018-19								
		Cum							
	Behind Police Quarters (From #A-96)		1	450.00	5.50	0.45	1113.75		
	Guest House Road		1	57.00	6.00	0.45	153.90		
	Sri Bhagyalakshmi Welding Work Shop Opp Road		1	346.00	5.80	0.45	903.06		
	Opp to Suraksha Stores		1	158.50	6.00	0.45	427.95		
	From KLM Precision Engineers Till Suraksha Store		1	104.40	4.50	0.45	211.41		
	From Suraksha Store to Road End		1	72.50	5.00	0.45	163.13		
	Gopi Clnic (Opp To Quarters Road)		1	263.50	4.20	0.45	498.02		
	Quartres Road		1	163.00	5.50	0.45	403.43		
							3874.64	**84.42**	**327096.69**
	Basic Rate	41.00							
	Add for lead for earth (1.28 Tonne / Cum) for 16km	40.96							
	Area Weightage @ 6%	2.46							

Sl No	Description of Items	Unit	No	L (M)	B (M)	D (M)	Qty	Rate	Amount
		84.42							
3	Construction of **granular sub-base Grading-V** as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision. (pg no- 153,S.Lno-20.5)KPWD S.R 2018-19								
		Cum							
	Behind Police Quarters (From #A-96)		1	450.00	5.50	0.20	495.00		
	Guest House Road		1	57.00	6.00	0.20	68.40		
	Sri Bhagyalakshmi Welding Work Shop Opp Road		1	346.00	5.80	0.20	401.36		
	Opp to Suraksha Stores		1	158.50	6.00	0.20	190.20		
	From KLM Precision Engineers Till Suraksha Store		1	104.40	4.50	0.20	93.96		
	From Suraksha Store to Road End		1	72.50	5.00	0.20	72.50		
	Gopi Clnic (Opp To Quarters Road)		1	263.50	4.20	0.20	221.34		
	Quartres Road		1	163.00	5.50	0.20	179.30		
							1722.06	**1994.92**	**3435371.94**
	Basic Rate	1882.00							
	Area Weightage @ 6%	112.92							
	Total	**1994.92**							
4	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 Page No. 155/ Item No. 20.18/ PWD SR 2018-19								
		Cum							
	Behind Police Quarters (From #A-96)		1	450.00	5.50	0.25	618.75		
	Guest House Road		1	57.00	6.00	0.25	85.50		
	Sri Bhagyalakshmi Welding Work Shop Opp Road		1	346.00	5.80	0.25	501.70		
	Opp to Suraksha Stores		1	158.50	6.00	0.25	237.75		
	From KLM Precision Engineers Till Suraksha Store		1	104.40	4.50	0.25	117.45		
	From Suraksha Store to Road End		1	72.50	5.00	0.25	90.63		
	Gopi Clnic (Opp To Quarters Road)		1	263.50	4.20	0.25	276.68		
	Quartres Road		1	163.00	5.50	0.25	224.13		
							2152.58	**2001.28**	**4307905.30**
	Basic Rate	1888.00							
	Area Weightage @ 6%	113.28							
	Total	**2001.28**							

Sl No	Description of Items	Unit	No	L (M)	B (M)	D (M)	Qty	Rate	Amount
5	KSRRB M500-6. Providing and applying **primer coat** with S.S. bitumen emulsion on prepared surface of granular base such as WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502 Complete with all lead and lift and as per the direction of the Engineer-in-Charge. Page No. 158/ Item No. 21.6/ PWD SR 2018-19 Issue Rate								
		Sqm							
	Behind Police Quarters (From #A-96)		1	450.00	5.50		2475.00		
	Guest House Road		1	57.00	6.00		342.00		
	Sri Bhagyalakshmi Welding Work Shop Opp Road		1	346.00	5.80		2006.80		
	Opp to Suraksha Stores		1	158.50	6.00		951.00		
	From KLM Precision Engineers Till Suraksha Store		1	104.40	4.50		469.80		
	From Suraksha Store to Road End		1	72.50	5.00		362.50		
	Gopi Clnic (Opp To Quarters Road)		1	263.50	4.20		1106.70		
	Quartres Road		1	163.00	5.50		896.50		
							8610.30	**33.92**	**292061.38**
	Basic Rate	32.00							
	Area Weightage @ 6%	1.92							
	Total	**33.92**							
6	KSRRB M500-17. Providing and laying **dense graded bituminous macadam** using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications. Clause 505 of morth V revision using 40/60 TPH capacity H.M.P. with mechanical paver Gr-II (50mm to 75mm) with 4.5% VG-30 Bitumen. Page No. 160/ Item No. 21.17.6/ PWD SR 2018-19 Issue Rates								
		Cum							
	Behind Police Quarters (From #A-96)		1	450.00	5.50	0.05	123.75		
	Guest House Road		1	57.00	6.00	0.05	17.10		
	Sri Bhagyalakshmi Welding Work Shop Opp Road		1	346.00	5.80	0.05	100.34		
	Opp to Suraksha Stores		1	158.50	6.00	0.05	47.55		
	From KLM Precision Engineers Till Suraksha Store		1	104.40	4.50	0.05	23.49		
	From Suraksha Store to Road End		1	72.50	5.00	0.05	18.13		
	Gopi Clnic (Opp To Quarters Road)		1	263.50	4.20	0.05	55.34		
	Quartres Road		1	163.00	5.50	0.05	44.83		
							430.52	**7292.80**	**3139659.79**
	Basic Rate	6880.00							
	Area Weightage @ 6%	412.80							
	Total	**7292.80**							

Sl No	Description of Items	Unit	No	L (M)	B (M)	D (M)	Qty	Rate	Amount
7	KSRRB 500-7. Providing and applying **tack coat** using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 Page No. 158/ Item No. 21.7/ PWD SR 2018-19 Issue Rate								
	For BC	Sqm							
	Behind Police Quarters (From #A-96)		1	450.00	5.50		2475.00		
	Guest House Road		1	57.00	6.00		342.00		
	Sri Bhagyalakshmi Welding Work Shop Opp Road		1	346.00	5.80		2006.80		
	Opp to Suraksha Stores		1	158.50	6.00		951.00		
	From KLM Precision Engineers Till Suraksha Store		1	104.40	4.50		469.80		
	From Suraksha Store to Road End		1	72.50	5.00		362.50		
	Gopi Clnic (Opp To Quarters Road)		1	263.50	4.20		1106.70		
	Quartres Road		1	163.00	5.50		896.50		
							8610.30	**12.72**	**109523.02**
	Basic Rate	12.00							
	Area Weightage @ 6%	0.72							
	Total	**12.72**							
8	KSRRB M500-19. Providing and laying **bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. clause No. 507 of MORTH V revision & IRC-SP-53-2010. - using40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (30 mm to 45mm) with 5.4% CRMB 55 (Pg:162, It.No-21.23.6 PWD SR:2018-19)Issue Rates								
		Cum							
	Behind Police Quarters (From #A-96)		1	450.00	5.50	0.04	99.00		
	Guest House Road		1	57.00	6.00	0.04	13.68		
	Sri Bhagyalakshmi Welding Work Shop Opp Road		1	346.00	5.80	0.04	80.27		
	Opp to Suraksha Stores		1	158.50	6.00	0.04	38.04		
	From KLM Precision Engineers Till Suraksha Store		1	104.40	4.50	0.04	18.79		
	From Suraksha Store to Road End		1	72.50	5.00	0.04	14.50		
	Gopi Clnic (Opp To Quarters Road)		1	263.50	4.20	0.04	44.27		

Sl No	Description of Items	Unit	No	L (M)	B (M)	D (M)	Qty	Rate	Amount
	Quartres Road		1	163.00	5.50	0.04	35.86		
							344.41	**8798.00**	**3030136.78**
	Basic Rate	8300.00							
	Area Weightage @ 6%	498.00							
	Total	**8798.00**							
	Total Amount								**14997704.68**
	Tender Premium 5%								**749885.23**
	GST 12%								**1889710.79**
	Detailed Project Report & Project Management Consulatancy Serivce Charges 2%								**360000.00**
	Miscalenous								**2699.30**
	Grand Amount								**18000000.00**

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary

2 The Estimate is prepared as per the PWD SR 2018-19

3 The Provision made in estimate are adequate and essential

Asst Engineer
Ward No- 16
BBMP

Asst Executive Engineer
Yeshwanthpur-Sub-Division
BBMP

Executive Engineer
RR Nagar-Division
BBMP

ದಿನಾಂಕ: 07/07/2021

ರೂ. 18,00,000 (One crore eighty lakhs only)

ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

TECHNICAL SANCTION

Rs: 14,997,704/- (Rs one crore forty nine lakhs ninty seven thousand seven hundred four only) is accorded under the head: P-3726

By CE(R.R.N.) P.N-08-09

Registered as CE (R.R.N) No. 26/21-22 subject to conditions contained in enclosed memo No: 26/21-22 Dt. 12/07/21

CE (R.R.N.)

TA.